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# UNITED STATES DEPARTMENT OF AGRICULTURE

## AGRICULTURAL RESEARCH ADMINISTRATION

### SERVICE AND REGULATORY ANNOUNCEMENTS

#### BUREAU OF ANIMAL INDUSTRY

NOVEMBER 1944

This publication is issued monthly for the dissemination of information, instructions, ruling, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the Bureau, establishments at which official inspection work is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year (foreign, 60 cents). A supply will be sent to each official in charge of a station or branch of the Bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.

#### CONTENTS

Changes in directory.....	61
Livestock inspected when offered for importation, October 1944.....	61
Summary of tuberculosis-eradication work in cooperation with States, October 1944.....	62
Summary of brucellosis (Bang's disease) work in cooperation with States, October 1944.....	63
Biological products prepared under licenses, October 1944.....	64
Inspections and tests in the production of anti-hog-cholera serum and hog-cholera virus under licenses, October 1944.....	64
License issued for biological products, October 1944.....	64
License terminated, October 1944.....	64
Permits issued for organisms or vectors, October 1944.....	64
Dr. R. A. Ramsay, former Tick Eradication chief dies.....	65
Amendments to Department regulations.....	65
New publications of the Bureau.....	65
Organization of the Bureau of Animal Industry.....	65

#### CHANGES IN DIRECTORY

##### Change of Official in Charge

Dr. Henry L. Rae will succeed Dr. Morey A. Sappington (retiring) as inspector in charge of public stockyards inspection at South St. Paul, Minn., effective April 1, 1945. He will be acting inspector in charge from November 1, 1944, until the close of March 31, 1945.

##### Change of Address of Official in Charge

Dr. Earl F. Graves, Territorial veterinarian, P. O. Box H, Palmer, Alaska, instead of P. O. Box 125.

##### Station Changed to Substation

Clifton, N. J., Athenia Quarantine Station, international inspection and quarantine. (See New York, N. Y.)

##### Substation Added

Port Huron, Mich., international inspection and quarantine. (See Lansing, Mich.).

#### LIVESTOCK INSPECTED WHEN OFFERED FOR IMPORTATION OCTOBER 1944

Port of entry	Cattle	Swine	Sheep	Goats	Horses	Mules and asses
Mexican border ports.....	3,931	-----	673	-----	201	2
Canadian border ports.....	4,887	11	59,437	7	965	2
Total:						
September 1944.....	8,818	11	60,110	7	1,166	4
September 1943.....	6,936	98	1,147	148	2,739	144

Refused entry: 21 cattle, 4 sheep, and 7 asses. (These figures are not included in the table above.)



## SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, OCTOBER 1944

State or Territory	Tuberculin testing during month			Accredited herds <sup>1</sup>	Herds under supervision	Inspector in charge	State official
	Cattle tested	Infected premises	Cattle reacted				
Alabama.....	1,001	1	1	673	271,549	R. E. Jackson.....	I. S. McAdory, Auburn.
Arizona.....	3,978	4	22	1	12,593	F. L. Schneider.....	Vego Mikkelsen, Phoenix.
Arkansas.....	1,457	0	0	0	228,256	A. W. Rice.....	Joe S. Campbell, Little Rock.
California.....	58,170	27	80	6	74,669	H. M. O'Rear.....	C. U. Duckworth, Sacramento.
Colorado.....	1,160	5	8	26	60,846	Edgar Heiny.....	R. M. Gow, Denver.
Connecticut.....	11,174	12	34	17,783	18,996	R. L. Smith.....	Claude Jones, Hartford.
Delaware.....	3,280	0	0	2,085	8,511	O. L. Lockwood.....	Harry McDaniel, Jr., Dover.
Dist. of Col.....	0	0	0	2	17	A. E. Wight.....	
Florida.....	4,607	2	4	46	68,656	T. H. Applewhite.....	J. V. Knapp, Tallahassee.
Georgia.....	1,054	0	0	76	242,945	W. C. Dendinger.....	Tom Linder, Atlanta.
Idaho.....	1,564	3	6	28	51,500	F. F. Fischer.....	H. R. Groome, Boise.
Illinois.....	67,361	39	103	763	244,138	A. K. Kuttler.....	C. E. Fidler, Springfield.
Indiana.....	12,716	16	21	1,496	147,750	W. A. Sullivan.....	J. L. Axby, Indianapolis.
Iowa.....	28,169	93	128	530	194,440	J. A. Barger.....	C. C. Franks, Des Moines.
Kansas.....	2,185	6	6	156	171,032	Ralph Graham.....	Will J. Miller, Topeka.
Kentucky.....	1,405	2	3	29	163,867	E. E. Coshov.....	L. L. Breck, Frankfort.
Louisiana.....	1,998	1	1	0	148,804	W. A. McDonald.....	E. P. Flower, Baton Rouge.
Maine.....	557	0	0	166	43,817	B. J. Cady.....	Francis G. Buzzell, Augusta.
Maryland.....	18,534	5	15	14,466	44,735	O. L. Lockwood.....	A. L. Brueckner, Baltimore.
Massachusetts.....	11,680	14	27	19,142	20,351	E. M. Aldrich.....	Harrie W. Peirce, Boston.
Michigan.....	20,883	16	27	63	207,087	C. H. Hays.....	H. R. Clark, Lansing.
Minnesota.....	68,100	43	59	612	186,139	W. J. Fretz.....	Ralph L. West, St. Paul.
Mississippi.....	2,354	0	0	5	260,175	Hartwell Robbins.....	H. C. Simmons, Jackson.
Missouri.....	3,370	0	0	59	239,687	E. C. Hughes.....	J. W. George, Jefferson City.
Montana.....	1,320	1	1	19	73,033	G. W. Cronen.....	W. J. Butler, Helena.
Nebraska.....	11,169	6	8	22	135,277	J. W. Murdoch.....	J. R. Snyder, Lincoln.
Nevada.....	16	0	0	0	3,441	S. H. Still.....	W. B. Earl, Reno.
New Hampshire.....	1,247	0	0	16,718	19,021	E. M. Aldrich.....	R. W. Smith, Concord.
New Jersey.....	31,768	74	116	13,398	16,166	J. R. Porteus.....	R. A. Hendershott, Trenton.
New Mexico.....	483	0	0	2	25,450	F. L. Schneider.....	Sam McCue, Albuquerque.
New York.....	93,871	44	111	119,832	130,261	H. B. Leonard.....	Ivan G. Howe, Albany.
North Carolina.....	3,613	0	0	562	256,713	A. A. Husman.....	William Moore, Raleigh.
North Dakota.....	713	0	0	61	68,003	F. C. Driver.....	T. O. Brandenburg, Bismarck.
Ohio.....	13,748	5	14	703	238,453	A. J. DeFosset.....	F. L. Carr, Columbus.
Oklahoma.....	5,434	2	2	13	160,425	C. H. Fawks.....	W. W. Rosenberry, Oklahoma City.
Oregon.....	7,904	18	43	2,155	142,055	S. B. Foster.....	W. H. Lytle, Salem.
Pennsylvania.....	24,782	36	85	6,606	164,795	J. B. Reidy.....	C. P. Bishop, Harrisburg.
Rhode Island.....	1,720	5	9	2,486	2,731	E. M. Aldrich.....	J. S. Barber, Providence.
South Carolina.....	817	0	0	102	57,226	W. K. Lewis.....	W. K. Lewis, Columbia.
South Dakota.....	5,413	8	33	3	73,365	Neil Flank.....	R. S. Robinson, Pierre.
Tennessee.....	1,820	0	0	23	294,936	H. L. Fry.....	C. E. Kord, Nashville.
Texas.....	11,685	4	25	62	372,281	H. L. Darby.....	E. A. Grist, Fort Worth.
Utah.....	2,865	6	6	0	87,311	F. H. Melvin.....	J. I. Curtis, Salt Lake City.
Vermont.....	6,669	7	9	16,393	22,394	N. H. Howlett.....	E. H. Jones, Montpelier.
Virginia.....	2,842	3	9	486	199,500	H. S. Miller.....	H. C. Givens, Richmond.
Washington.....	21,948	7	22	8	82,593	J. C. Exline.....	M. O. Barnes, Olympia.
West Virginia.....	2,178	1	1	620	115,842	H. M. Newton.....	T. C. Green, Charleston.
Wisconsin.....	54,069	6	42	4,581	181,363	J. S. Healy.....	V. S. Larson, Madison.
Wyoming.....	3,451	2	2	2	21,414	W. E. Logan.....	George H. Good, Cheyenne.
Hawaii.....	0	0	0	0	1,800	A. H. Julien.....	E. H. Willers, Honolulu.
Puerto Rico.....	11,434	16	84	0	62,568	E. E. Maas.....	Fernando A. Villamil, San Juan.
Virgin Islands.....	0	0	0	0	420	do.....	Ralph L. Williams, Christiansted.
Total.....	649,736	540	1,167	243,070	6,119,396		

<sup>1</sup> All States are 100 percent modified accredited. Puerto Rico and the Virgin Islands are also in the modified accredited area.



# SUMMARY OF BRUCELLOSIS (BANG'S DISEASE) WORK IN COOPERATION WITH STATES, OCTOBER 1944<sup>1</sup>

State or Territory	Tests made of blood sam- ples during month		Tests of herds containing reactors				Calves vaccinated during month	Modified accredited counties	Total ac- credited		Herds under supervision	Total cattle on waiting list
			Herds	Cattle	Reactors							
	Herds	Cattle			For slaughter	Held in cal- hood vaccin- ed herds <sup>2</sup>						
Alabama.....	1, 106	12, 282	82	1, 876	343	136	410	39	9	333	168, 319	40, 889
Arizona.....	65	737	17	415	18	47	54	0	2	125	4, 493	1, 000
Arkansas.....	259	3, 491	41	1, 299	250	0	234	64	0	0	220, 957	0
Colorado.....	290	2, 737	46	800	7	117	731	0	9	370	3, 271	3, 543
Connecticut.....	141	2, 390	22	565	65	0	235	0	1, 023	8, 979	1, 010	501
Delaware.....	292	2, 540	82	590	78	8	387	0	499	10, 604	6, 374	0
Florida.....	439	9, 770	57	3, 326	121	8	358	0	141	8, 547	30, 094	0
Georgia.....	586	8, 181	50	2, 350	240	0	51	65	34	2, 340	129, 025	205, 458
Idaho.....	293	3, 122	71	1, 017	171	0	745	9	331	5, 809	44, 776	0
Illinois.....	3, 681	36, 111	850	14, 556	442	1, 390	4, 003	0	153	4, 405	63, 242	125, 000
Indiana.....	74	833	9	115	13	3	35	0	2, 241	44, 881	5, 519	527
Iowa.....	1, 343	16, 997	474	8, 337	1, 419	0	1, 609	0	2, 768	44, 255	32, 930	4, 938
Kansas.....	1, 054	9, 830	269	3, 637	743	0	0	0	291	6, 524	8, 901	1, 656
Kentucky.....	150	3, 680	23	855	51	14	147	0	112	2, 071	36, 954	1, 694
Louisiana.....	102	1, 588	29	860	56	4	1, 987	21	0	0	61, 894	27, 833
Maine.....	1, 197	10, 379	186	2, 785	374	56	337	7	216	4, 666	27, 553	0
Maryland.....	678	7, 890	101	2, 184	221	47	1, 590	7	3, 194	55, 843	25, 525	0
Massachusetts.....	0	0	0	0	0	0	379	0	87	4, 382	3, 947	0
Michigan.....	1, 286	13, 687	169	2, 693	335	142	489	29	1, 133	27, 709	29, 640	314
Minnesota.....	1, 514	24, 852	260	3, 802	1, 406	0	568	22	285	8, 360	93, 869	32, 368
Mississippi.....	620	5, 193	74	2, 082	268	0	0	6	143	4, 438	8, 160	0
Missouri.....	700	8, 274	158	2, 543	406	0	0	0	20	1, 472	93, 203	0
Montana.....	188	4, 708	46	1, 990	78	133	944	0	15	856	3, 207	0
Nebraska.....	120	1, 996	23	545	56	0	101	0	114	2, 791	10, 259	0
Nevada.....	21	618	6	255	0	9	191	0	42	1, 815	277	0
New Hampshire.....	1, 018	15, 060	255	4, 858	714	0	398	0	8, 739	66, 815	15, 791	800
New Jersey.....	367	5, 847	41	1, 428	60	16	386	0	739	9, 454	1, 763	0
New Mexico.....	190	3, 048	9	393	20	0	96	0	23	914	11, 016	2, 500
New York.....	1, 277	13, 377	1, 052	9, 953	73	1, 281	9, 791	0	1, 357	41, 352	21, 434	290, 000
North Carolina.....	703	11, 530	43	1, 994	88	0	0	100	638	24, 693	249, 084	0
North Dakota.....	443	8, 770	91	2, 043	423	0	478	26	12	528	54, 972	159, 090
Ohio.....	1, 293	16, 674	352	5, 583	1, 355	5	635	6	2, 808	53, 344	64, 825	34, 000
Oklahoma.....	177	4, 095	56	1, 940	115	52	323	0	444	9, 433	1, 654	2, 393
Oregon.....	1, 756	16, 537	110	2, 616	339	0	109	17	0	0	111, 912	0
Pennsylvania.....	3, 675	42, 841	552	10, 630	1, 353	0	1, 407	21	6, 839	141, 405	76, 358	186, 688
Rhode Island.....	6	181	1	15	0	2	42	0	37	668	114	0
South Carolina.....	476	3, 678	26	721	55	0	17	10	81	5, 888	40, 923	3, 000
South Dakota.....	112	2, 636	37	1, 189	61	81	1, 129	0	11	497	2, 850	2, 500
Tennessee.....	304	6, 207	96	2, 874	276	56	623	7	420	14, 454	47, 067	3, 084
Texas.....	81	2, 262	19	588	57	0	330	0	623	10, 984	1, 251	0
Utah.....	233	2, 804	40	893	0	82	458	0	3	70	4, 675	0
Vermont.....	1, 220	14, 858	210	3, 869	0	664	4, 214	0	535	12, 730	5, 511	24, 013
Virginia.....	1, 128	12, 455	96	3, 721	337	0	379	77	212	14, 236	188, 837	79, 453
Washington.....	331	4, 827	81	2, 698	413	5	3, 280	19	0	0	69, 522	0
West Virginia.....	708	9, 739	42	1, 620	97	0	330	32	258	2, 248	73, 690	0
Wisconsin.....	925	23, 072	392	10, 704	1, 567	0	3, 094	8	5, 958	176, 254	82, 295	17, 994
Wyoming.....	30	1, 591	6	1, 164	8	49	258	0	7	512	3, 758	0
Puerto Rico.....	26	1, 534	8	1, 066	89	15	132	0	3	184	75	1, 913
Total.....	32, 678	415, 509	6, 760	132, 037	14, 661	4, 422	43, 494	592	42, 669	838, 308	2,242,776	1, 163, 149

<sup>1</sup> Officials in charge of brucellosis work are the same as those listed in summary of tuberculosis-eradication work.

<sup>2</sup> Nonvaccinated held during the month.

# BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, OCTOBER 1944

## *Anti-hog-cholera serum*

Period	Preserved	Completed	Released	Destroyed
	<i>Cc.</i>	<i>Cc.</i>	<i>Cc.</i>	<i>Cc.</i>
October 1944 .....	113,882,638	109,649,430	83,441,450	574,065
October 1943 .....	179,799,161	175,590,806	159,482,645	828,575
10 months ended—				
October 1944 .....	1,497,933,652	1,519,905,543	1,369,847,105	7,279,208
October 1943 .....	1,585,526,107	1,577,326,425	1,639,013,395	8,624,041

## *Hog-cholera virus*

Period	Produced			Destroyed	
	Simultaneous	Hyperimmunizing	Inoculating	Simultaneous	Hyperimmunizing
	<i>Cc.</i>	<i>Cc.</i>	<i>Cc.</i>	<i>Cc.</i>	<i>Cc.</i>
October 1944 .....	2,939,643	18,462,085	52,900	514,940	457,903
October 1943 .....	6,585,193	35,113,025	144,711	452,655	1,158,180
10 months ended—					
October 1944 .....	84,322,205	284,950,008	1,245,862	5,927,136	9,184,718
October 1943 .....	121,974,737	337,661,421	1,714,942	4,169,935	13,453,561

# INSPECTIONS AND TESTS IN THE PRODUCTION OF ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS UNDER LICENSES, OCTOBER 1944

Period	Animal inspections	Animal rejections	Pigs inoculated	Hogs hypered	Tests supervised	
					Serum	Virus
October 1944 .....	269,260	2,443	17,528	13,151	387	90
October 1943 .....	490,227	5,532	41,827	27,511	728	200
10 months ended—						
October 1944 .....	4,129,624	46,389	352,385	215,180	6,039	2,345
October 1943 .....	4,782,890	61,491	451,693	249,784	6,961	3,299

## LICENSE ISSUED FOR BIOLOGICAL PRODUCTS, OCTOBER 1944

License No. 112 issued October 18, 1944, to Fort Dodge Serum Co., 300 First Avenue, South, Fort Dodge, Iowa, for anti-pasteurella-pseudodiphthericum serum.

## LICENSE TERMINATED, OCTOBER 1944

License No. 125 issued April 7, 1937, to Aurora Serum Co., Aurora, Ill., was terminated October 12, 1944, because of the discontinuance of production.

## PERMITS ISSUED FOR ORGANISMS OR VECTORS, OCTOBER 1944

Permit No. 45 issued October 11, 1944, to Lederle Laboratories, Inc., Pearl River, N. Y., to import one shipment of "organisms or vectors" from Ontario, Canada.

Permit No. 46 issued October 23, 1944, to Dr. Herald R. Cox, Lederle Laboratories, Inc., Pearl River, N. Y., to import one shipment of "organisms or vectors" from Nigeria, West Africa.

Permit No. 47 issued October 27, 1944, to Lederle Laboratories, Inc., Pearl River, N. Y., to import one shipment of "organisms or vectors" from Alberta, Canada.

### DR. R. A. RAMSAY, FORMER TICK ERADICATION CHIEF, DIES

Dr. R. A. Ramsay, chief of the Tick Eradication Division of the Bureau during the period 1917-32, died November 5, 1944, at his home in Takoma Park, Md., a suburb of Washington, D. C. He was 83 years old. Dr. Ramsay graduated from the McGill School of Comparative Medicine, Montreal, in 1892 with the degree of D. V. S.

He entered the Bureau of Animal Industry in 1899, engaging principally in directing cattle and sheep scabies eradication in the central and northwestern States. In 1907 he was assigned to administrative duties in Washington, D. C., which he performed with distinction. The 15-year period during which he directed cattle-tick eradication was an unusually active one, both in volume of dipping operations and the frequent need to overcome misguided local opposition.

Since his retirement, June 30, 1932, Dr. Ramsay has witnessed, with satisfaction, the further progress of tick eradication to practical completion.

### AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendment to the regulations of the Department has been issued: Amendment 199, covering regulation 4113.

### NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible, additional copies will be furnished on request.]

AWI-108. Curing Pork Country Style. Prepared by Bureau of Animal Industry. Illus.

Farmers' Bulletin 840 (slightly revised). Farm Sheep Raising for Beginners. By F. R. Marshall and R. B. Millin, formerly Animal Husbandry Division. Revised by D. A. Spencer and C. G. Potts, Animal Husbandry Division. Pp. 21, illus.

Circular 705. Comparison of Native Grasses and Crested Wheatgrass and of Supplements for Beef Cattle in the Northern Great Plains. By W. H. Black and V. I. Clark, Animal Husbandry Division. Pp. 11, illus.

Miscellaneous Publication 555. The National Turkey Improvement Plan. Prepared by the Bureau of Animal Industry in cooperation with representatives of the official State agencies, the National Turkey Federation, and the turkey breeders and hatcheries. Pp. 25, illus.

Technical Bulletin 875. Effects of Experimental Nodular Worm (*Oesophagostomum columbianum*) Infection in Sheep. By Merritt P. Sarles, Zoological Division. Pp. 19, illus.

Reprint from Journal of Agricultural Research, No. A-216. Development and Survival Under Outdoor Conditions of Eggs and Larvae of the Common Ruminant Stomach Worm, *Haemonchus contortus*. By A. G. Dinaburg Zoological Division. Pages 421-433.

Reprint from Journal of Agricultural Research, No. A-217. Chemical Composition of Some American Wild Feedstuffs. By Thomas R. King and Harold E. McClure, Animal Husbandry Division. Pages 33-46.

Production of *Brucella Abortus* Strain 19 Vaccine (revised). By Animal Disease Station of the Pathological Division. Pp. 6, mimeographed.

Data on Breed Distribution in National Poultry Improvement Plan. Revised November 1944. Pp. 2, mimeographed.

## ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

*Chief:* A. W. MILLER.

*Assistant Chief:* HUGH C. MCPHEE.

*Assistant Chief:* HARRY W. SCHOENING.

*Assistant Chief:* PAUL E. HOWE.<sup>1</sup>

*Business Manager:* J. R. COHRAN.

*Assistant Business Manager:* N. A. OLMSTEAD.

*Animal Husbandry Division:* HUGH C. MCPHEE, *Head Animal Husbandman in charge.*

*Field Inspection Division:* S. O. FLADNESS, *Principal Veterinarian in charge.*

*Information Division:* D. S. BURCH, *Information Specialist in charge.*

*Interstate Inspection Division:* W. M. MACKELLAR, *Principal Veterinarian in charge.*

*Pathological Division:* HARRY W. SCHOENING, *Principal Veterinarian in charge.*

*Tuberculosis Eradication Division:* A. E. WRIGHT, *Principal Veterinarian in charge.*

*Division of Virus-Serum Control:* D. I. SKIDMORE, *Principal Veterinarian in charge.*

*Zoological Division:* BENJAMIN SCHWARTZ, *Principal Zoologist in charge.*

<sup>1</sup> On military furlough.









